



ICAO

International Civil Aviation Organization
African Flight Procedure Programme

**Performance -Based Navigation Awareness Workshop
Accra, Ghana, 2 - 6 May 2023**

DRAFT AGENDA

Topics include GNSS overview, RNAV principles, PBN concept, PBN benefits, and PBN implementation. The theoretical lectures on these topics will be supplemented by laboratory exercises or study cases to enforce the basic concepts.

Agenda item 1: GNSS overview:

Introduction to GNSS;
Performances requirements;
Existing core-satellites;
Augmentation systems;
GNSS vulnerabilities;
GNSS evolutions;
Implementation of GNSS-based services.

Agenda item 2: Area navigation principles:

General on area navigation;
Fixes;
Path terminators;
Transitions;
Navigation systems and sensors and
Multi-sensors systems;
Ground-based navaid dependent and independent systems.

Agenda item 3: PBN concept:

General on PBN;
PBN benefits.

Agenda item 4: PBN implementation:

PBN applications;
The ICAO PBN requirements;
The AFI PBN roadmap;
PBN flight procedures and routes design;
PBN flight planning;
PBN separations
The PBN implementation status in the AFI Region.

Agenda item 5: Laboratory exercises and study cases:

Laboratory exercises;
Study cases.

Agenda item 6: Outcome of the training:

Training assessment.

./.